



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Roderick J. Scott  
Serial No. : 10/058,825  
Filed : January 30, 2002  
Title : MODIFIED PLANTS

Art Unit : 1638  
Examiner : Stuart F. Baum  
Conf. No. : 2437

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: July 27, 2006

Ronald C. Lundquist  
Ronald C. Lundquist, Ph.D.  
Reg. No. 37,875

Fish & Richardson P.C.  
60 South Sixth Street  
Suite 3300  
Minneapolis, MN 55402  
Telephone: (612) 335-5070  
Facsimile: (612) 288-9696

60371478.doc

07/31/2006 WABDEL1 00000026 10058825  
02 FC:1806 180.00 OP

CERTIFICATE OF MAILING BY EXPRESS MAIL  
Express Mail Label No. E V 566 217 046 45

JULY 27, 2006  
Date of Deposit

07/31/2006 WABDEL1 00000026 10058825  
02 FC:1806 180.00 OP  
01-PCF-1253

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
11696-067001Application No.  
10/058,825**Information Disclosure Statement  
by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.94(e))

Applicant  
Roderick J. ScottFiling Date  
January 30, 2002Group Art Unit  
1638**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AC	GenBank Accession No. L10692, dated July 26, 1993
	AD	GenBank Accession No. AJ002140, dated April 15, 2005
	AE	GenBank Accession No. AF007807, dated February 19, 1998
	AF	GenBank Accession No. AF034419, dated March 2, 1998
	AG	Office Action received in U.S. Application Serial No. 10/966,482 dated 04/24/06, 24 pages
	AH	Bernacchia et al. "Carrot DNA-methyltransferase is encoded by two classes of genes with differing patterns of expression" <i>The Plant Journal</i> , 1998, 13(3):317-329
	AI	Bestor and Verdine, "DNA methyltransferases" <i>Current Opinion in Cell Biology</i> , 1994, 6:380-389
	AJ	Bolitho et al., "Antisense apple ACC-oxidase RNA reduces ethylene production in transgenic tomato fruit" <i>Plant Science</i> , 1997, 122:91-99
	AK	Bourque "Antisense strategies for genetic manipulations in plants" <i>Plant Science</i> , 1995, 105:125-149
	AL	Caron et al., "Genetic modification of condensed tannin biosynthesis in <i>Lotus corniculatus</i> .1. Heterologous antisense dihydroflavonol reductase down-regulates tannin accumulation in "hairy root" cultures"
	AM	Colliver et al., "Differential modification of flavonoid biosynthesis with an antisense chalcone synthase construct in transgenic <i>Lotus corniculatus</i> " <i>Plant Molecular Biology</i> , 1997, 35:509-522
	AN	Einset "Differential expression of antisense in regenerated tobacco plants transformed with an antisense version of a tomato ACC oxidase gene" <i>Plant Cell</i> , 1996, 46:137-141
	AO	Elkind et al. "Abnormal plant development and down-regulation of phenylpropanoid biosynthesis in transgenic tobacco containing a heterologous phenylalanine ammonia-lyase gene" <i>PNAS</i> , 1990, 87:9057-9061
	AP	Elomaa et al. "Transformation of antisense constructs of the chalcone synthase gene superfamily into <i>Gerbera hybrida</i> : differential effect on the expression of family members" <i>Molecular Breeding</i> , 1996, 2:41-50
	AQ	Faske et al. "Transgenic tobacco plants expressing pea chloroplast <i>Nmdh</i> cDNA in sense and antisense orientation" <i>Plant Physiol.</i> , 1997, 115:705-715

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11696-067001	Application No. 10/058,825
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) JUL 27 2006 (37 CFR §1.98(b))		Applicant Roderick J. Scott	
		Filing Date January 30, 2002	Group Art Unit 1638

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AR	Finnegan et al. "DNA Methylation in plants" <i>Annu. Rev. Plant Physiol. Plant Mol. Biol.</i> , 1998, 49:223-247
	AS	Goll and Bestor "Eukaryotic cytosine methyltransferases" <i>Annu. Rev. Biochem.</i> , 2005, 74:481-514
	AT	Herbik et al. "Isolation, characterization and cDNA cloning of nicotianamine synthase from barley" <i>Eur. J. Biochem.</i> , 1999, 265:231-239
	AU	Hibino et al. "Increase of cinnamaldehyde groups in lignin of transgenic tobacco plants carrying an antisense gene for cinnamyl alcohol dehydrogenase" <i>Biosci. Biotech. Biochm.</i> , 1995, 59(5):929-931
	AV	Jacobsen and Meyerowitz "Hypermethylated SUPERMAN epigenetic alleles in <i>Arabidopsis</i> " <i>Science</i> , 277:1100-1103
	AW	Li et al., "An ARGONAUTE4-containing nuclear processing center colocalized with cajal bodies in <i>Arabidopsis Thaliana</i> " <i>Cell</i> , 2006, 126:93-106
	AX	Myers and Dean "Sensible use of antisense: how to use oligonucleotides as research tools" <i>TiPS</i> , January 2000, 21:19-23
	AY	Oliver et al. "Inhibition of tobacco NADH-hydroxypyruvate reductase by expression of a heterologous antisense RNA derived from a cucumber cDNA: Implications for the mechanism of action of antisense RNAs" <i>Mol. Gen. Genet.</i> , 1993, 239:425-434
	AZ	Ponger and Li "Evolutionary diversification of DNA methyltransferases in eukaryotic genomes" <i>Molecular Biology and Evolution</i> , 2005, 22:1119-1128
	AAA	Pontes et al. "The <i>Arabidopsis</i> chromatin-modifying nuclear siRNA pathway involves a nucleolar RNA processing center" <i>Cell</i> , 2006 126:79-92
	ABB	Salehuzzaman et al. "Isolation and characterization of a cDNA encoding granule-bound starch synthase in cassava ( <i>Manihot esculenta</i> Crantz) and its antisense expression in potato" <i>Plant Molecular Biology</i> , 1993, 23:947-962
	ACC	Temple et al. "Modulation of glutamine synthetase gene expression in tobacco by the introduction of an alfalfa glutamine synthetase gene in sense and antisense orientation: molecular and biochemical analysis" <i>Mol. Gen. Genet.</i> , 1993, 236:315-325
	ADD	Trevanion et al. "NADP-Malate dehydrogenase in the C <sub>4</sub> plant <i>Flaveria bidentis</i> " <i>Plant Physiol.</i> , 1997, 113:1153-1165
	AEE	Van der Krol et al. "An anti-sense chalcone synthase gene in transgenic plants inhibits flower pigmentation" <i>Nature</i> , 1988, 333:866-869
	AFF	Veena et al. "Glyoxalase I from <i>Brassica juncea</i> : molecular cloning, regulation and its over-expression confer tolerance in transgenic tobacco under stress" <i>The Plant Journal</i> , 1999, 17(4):385-395
	AGG	Visser et al. "Inhibition of the expression of the gene for granule-bound starch synthase in potato by antisense constructs" <i>Mol. Gen. Genet.</i> , 1991, 225:289-296
	AHH	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 11696-067001	Application No. 10/058,825
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR 1.14(b))		Applicant Roderick J. Scott			
		Filing Date January 30, 2002	Group Art Unit 1638		

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,011,200	01/04/00	Dellaporta et al.	800	285	07/30/97
	AB	6,444,469	09/03/02	Dellaporta et al.	435	468	09/22/99

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AC	Bushell et al., "The Basis of Natural and Artificial Postzygotic Hybridization Barriers in <i>Arabidopsis</i> Species," <i>The Plant Cell</i> , 15:1430-1442 (2003)
	AD	Finnegan, E.J. and E.S. Dennis, "Isolation and identification by sequence homology of a putative cytosine methyltransferase from <i>Arabidopsis thaliana</i> ," <i>Nucleic Acids Research</i> 21(10): 2383-2388 (1993)
	AE	Kinoshita et al., "Polycomb Repression of Flowering During Early Plant Development," <i>Proc. Natl. Acad. Sci. USA</i> , 98(24):14156-14161 (2001)
	AF	Liu et al., "Multiple Domains are Involved in the Targeting of the Mouse DNA Methyltransferase to the DNA Replication Foci," <i>Nucleic Acids Research</i> , 26(4):1038-1045 (1998)
	AG	Luo et al., "Expression and Parent-of-Origin Effects for FIS2, MEA, and FIE in the Endosperm and Embryo of Developing <i>Arabidopsis</i> Seeds," <i>Proc. Natl. Acad. Sci. USA</i> 97(19):10637-10642 (2000)
	AH	Merlo et al., "Ribozymes Targeted to Stearyl-ACP Δ9 Desaturase mRNA Produce Heritable Increases of Stearic Acid in Transgenic Maize Leaves," <i>The Plant Cell</i> 10: 1603-1621 (1998)
	AI	Vikenoog et al., "Hypomethylation Promotes Autonomous Endosperm Development and Rescues Postfertilization Lethality in Fie Mutants," <i>The Plant Cell</i> , 12:2271-2282 (2000)
	AJ	Yang et al., "Ribozyme-mediated high resistance against potato spindle tuber viroid in transgenic potatoes," <i>Proc. Natl. Acad. Sci. USA</i> 94: 4861-4865 (1997)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	